

# 1. Part Description

## 1.1 Part Numbering (Example)

( Ex. )    1008    HC - 102    E J F S

**SIZE**

0805 2.0 \* 1.2 mm  
1008 2.5 \* 2.0 mm

**PRODUCT ID**

**INDUCTANCE**

- FIRST 2 DIGITS ARE SIGNIFICANT  
- 3 DIGIT IS MULTIPLIER  
102=1000n H , 103=10000n H .

**PACK**

S=EIA RS481  
CLEAR TAPE & REEL

**TERMINAL TYPE/MATERIAL**

T = Terminal, F=Ferrite Core (Substrate)

**INDUCTANCE TOLERANCE**

G = ±2% , H = ±3% , J = ±5% , K = ±10%  
B = ±0.1n H , C = ±0.2n H , S = ±0.3n H  
D = ±0.5n H

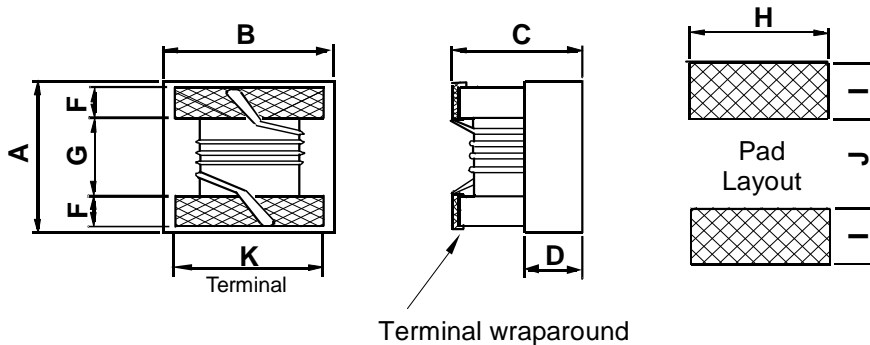
**SHAPE**

E = FLAT TOP

Part Number	Inductance uH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
1008HC-102E_FS	1.00 @ 7.96MHz	10,5	22 @ 7.96MHz	245	0.35	800
1008HC-122E_FS	1.20 @ 7.96MHz	10,5	25 @ 7.96MHz	230	0.40	550
1008HC-152E_FS	1.50 @ 7.96MHz	10,5	25 @ 7.96MHz	182	0.45	550
1008HC-182E_FS	1.80 @ 7.96MHz	10,5	25 @ 7.96MHz	135	0.55	550
1008HC-222E_FS	2.20 @ 7.96MHz	10,5	22 @ 7.96MHz	105	0.60	500
1008HC-272E_FS	2.70 @ 7.96MHz	10,5	25 @ 7.96MHz	70	0.70	500
1008HC-332E_FS	3.30 @ 7.96MHz	10,5	22 @ 7.96MHz	55	0.75	450
1008HC-392E_FS	3.90 @ 7.96MHz	10,5	25 @ 7.96MHz	50	0.80	450
1008HC-472E_FS	4.70 @ 7.96MHz	10,5	22 @ 7.96MHz	45	0.90	400
1008HC-562E_FS	5.60 @ 7.96MHz	10,5	22 @ 7.96MHz	42	1.05	400
1008HC-682E_FS	6.80 @ 7.96MHz	10,5	22 @ 7.96MHz	40	1.00	400
1008HC-822E_FS	8.20 @ 7.96MHz	10,5	22 @ 7.96MHz	36	1.30	350
1008HC-103E_FS	10.0 @ 2.52MHz	10,5	20 @ 2.52MHz	35	1.50	300
1008HC-123E_FS	12.0 @ 2.52MHz	10,5	20 @ 2.52MHz	30	1.70	280
1008HC-153E_FS	15.0 @ 2.52MHz	10,5	20 @ 2.52MHz	24	1.90	250
1008HC-183E_FS	18.0 @ 2.52MHz	10,5	20 @ 2.52MHz	20	2.60	200
1008HC-223E_FS	22.0 @ 2.52MHz	10,5	20 @ 2.52MHz	18	2.80	200
1008HC-273E_FS	27.0 @ 2.52MHz	10,5	20 @ 2.52MHz	17	3.40	180
1008HC-333E_FS	33.0 @ 2.52MHz	10,5	20 @ 2.52MHz	16	3.50	180

Working Temperature : -40 °C - 85 °C

### Shape & Dimension



Terminal wraparound

	A		B		C		D Ref.	K	F	G	H	I	J
	Max.	Ref	Max.	Ref	Max.	Ref							
inch	0.115	0.102	0.110	0.095	0.083	0.075	0.047	0.080	0.018	0.060	0.100	0.040	0.050
mm	2.92	2.60	2.79	2.41	2.10	1.90	1.20	2.03	0.45	1.52	2.54	1.02	1.27

Parts/Reel: 7" 2,000 PCS

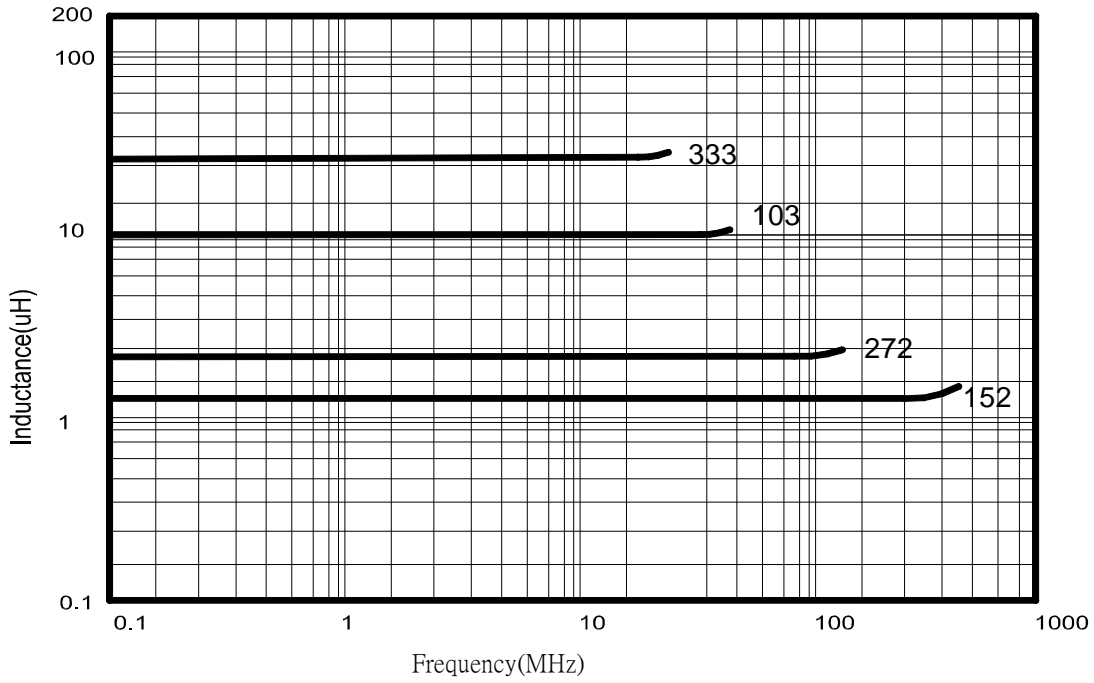
Tape Width:8mm



# WIRE-WOUND CHIP INDUCTOR – FERRITE/OPEN TYPE

## 1008HC Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL L vs DC CURRENT

